(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

CORRECTED VERSION

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 18 November 2004 (18.11.2004)

PCT

(10) International Publication Number WO 2004/099489 A3

(51) International Patent Classification7:

D06F 58/20

(21) International Application Number:

PCT/EP2004/002564

(22) International Filing Date: 11 March 2004 (11.03.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 0310330.6

6 May 2003 (06.05.2003) GE

- (71) Applicant (for AE, AG, AU, BB, BW, BZ, CA, CY, EG, GB, GD, GH, GM, IE, IL, KE, LC, LK, LS, MN, MW, NA, NZ, OM, PG, SC, SD, SG, SL, SZ, TT, TZ, UG, VC, ZA, ZM, ZW only): UNILEVER PLC [GB/GB]; Unilever House, Blackfriars, London EC4P 4BQ (GB).
- (71) Applicant (for AL, AM, AT, AZ, BA, BE, BF, BG, BJ, BR, BW, BY, CF, CG, CH, CI, CM, CN, CO, CR, CU, CY, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, FR, GA, GE, GN, GQ, GR, GW, HR, HU, ID, IS, IT, JP, KG, KP, KR, KZ, LR, LS, LT, LU, LV, MA, MC, MD, MG, MK, ML, MR, MX, MZ, NE, NI, NL, NO, PH, PL, PT, RO, RU, SE, SK, SN, SY, TD, TG, TJ, TM, TN, TR, UA, UZ, VN, YU only): UNILEVER NV [NL/NL]; Weena 455, 3013 AL Rotterdam (NL).
- (71) Applicant (for IN only): HINDUSTAN LEVER LIM-ITED [IN/IN]; Hindustan Lever House, 165/166 Backbay Reclamation Maharashtra, Mumbai 400 020 (IN).

- (72) Inventor; and
- (75) Inventor/Applicant (for US only): JONES, David [GB/GB]; Unilever R & D Port Sunlight, Quarry Road East, Bebington, Wirral, Merseyside CH63 3JW (GB).
- (74) Agents: ELLIOTT, Peter, William et al., Unilever Intellectual Property Group, Colworth House, Sharnbrook, Bedford, MK44 1LQ (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
- (84) Designated States (unless otherwise indicated. for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

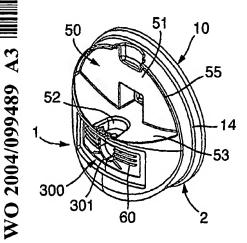
Published:

with international search report

(88) Date of publication of the international search report: 29 December 2004

[Continued on next page]

(54) Title: FABRIC TREATMENT DEVICE



(57) Abstract: A device for treating fabrics in a tumble dryer comprising: a reservoir (6) for storing a fabric treatment composition and transfer means (300) to expose fabric treatment composition from the reservoir to airflow generated inside the tumble dryer and/or to directly contact fabrics in the dryer, thereby transferring a portion of the fabric treatment composition into contact with fabrics in the tumble dryer during a tumble drying cycle; characterised in the provision of reservoir charging means (301) comprising one or more charging conduits (60) for directing fabric treatment composition to one or more regions of the transfer means.



(48) Date of publication of this corrected version:

3 March 2005

(15) Information about Correction: see PCT Gazette No. 09/2005 of 3 March 2005, Section II For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



International Application No PO-7 EP2004/002564

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 D06F58/20							
According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
	cumentation searched (classification system followed by classification	on symbols)					
IPC 7	D06F						
Documentat	lon searched other than minimum documentation to the extent that si	uch documents are included in the fields se	arched				
Documentation seatoned differ that minimum documentation to the extent data such describes are transfer to the extent data such							
Electronic data base consulted during the International search (name of data base and, where practical, search terms used)							
EPO-In	ternal .						
	•						
	ENTS CONSIDERED TO BE RELEVANT						
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.				
Α	US 2002/050073 A1 (HONEY RAYMOND	ET AL)	1,13				
	2 May 2002 (2002-05-02)						
	column 2, line 1 - line 15; figur	e 8 '					
		DD ET AL	1 5 12				
Α	US 3 701 202 A (COMPA RUSSEL EDWA	IRD ET AL)	1,5,13				
	31 October 1972 (1972–10–31)						
	column 2, line 29 - line 41 column 3, line 12 - line 19; figure 4						
	Cordinit 5, Title 12 Trice 15, Trigo	110 4					
	•	· l					
		ŀ					
Further documents are listed in the continuation of box C.							
° Special ca	tegories of cited documents :	"T" later document published after the inte	rnational filing date				
"A" docume	ent defining the general state of the art which is not	or priority date and not in conflict with cited to understand the principle or the	the application but				
considered to be of particular relevance invention							
filing d	late	"X" document of particular relevance; the c cannot be considered novel or cannot	be considered to				
L document which may throw doubts on priority claim(s) or involve an inventive step when the document is taken alone which is cited to establish the publication date of another "y* document of particular relevance; the claimed invention							
citation or other special reason (as specified) cannot be considered to involve an inventive step when the							
*O' document referring to an oral disclosure, use, exhibition or document is combined with one or more other such documents, such combination being obvious to a person skilled							
"P" document published prior to the International filling date but later than the priority date claimed "&" document member of the same patent family							
Date of the actual completion of the international search Date of mailing of the international search report							
Date of the defent of the international contain							
20 October 2004 28/10/2004							
Name and n	nailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2	Authorized officer					
NL – 2280 HV Rijswijk							
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Courrier, G					



Information on patent family members

International Application No PCT/EP2004/002564

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
US 2002050073 A	1 02-05-2002	AU	1695902 A	29-04-2002
		ΑU	9561501 A	29-04-2002
		BR	0114694 A	14-10-2003
		CA	2425748 A1	25-04-2002
		CA	2425755 A1	25-04-2002
		CN	1481459 T	10-03-2004
		CZ	20031091 A3	14-04-2004
		WO	0233160 A1	25-04-2002
		WO	0233161 A1	25-04-2002
		EP	1327019 A1	16-07-2003
		EP	1354092 A1	22-10-2003
		HU	0302106 A2	29-09-2003
		TW	517126 B	11-01-2003
		TW	517127 B	11-01-2003
		US	2003196348 A1	23-10-2003
		US	2003213145 A1	20-11-2003
	•	US	2002078589 A1	27-06-2002
	•	ZA	200302398 A	29-03-2004
US 3701202 A	31-10-1972	CA	967774 A1	20-05-1975
		CH	538564 A	30-06-1973
		DE	2217556 A1	19-10-1972
	•	FR	2132805 A5	24-11-1972
		GB	1373852 A	13-11-1974
		IT	952537 B	30-07-1973
		SE	382837 B	16-02-1976